

## CLAIMS

1- A waste compactor (2) comprising a metal horizontal plate (16) driven by an electric motor, which generates rotary motion, and mechanisms, which convert rotary motion into translational motion, for moving a horizontal plate (16) where said mechanisms comprise at least two telescopic screws (15,15').

5 2- A waste compactor as claimed in claim 1 wherein the telescopic screws are driven by an electric motor reducer.

3- A waste compactor as claimed in claim 2 wherein the telescopic screws (15,15') consist of two telescopic ball bearing screws.

10 4- A trolley (1) comprising a waste compactor (2) as claimed in claim 1.

5- A trolley (1) as claimed in claim 4 wherein it consists of a moving part (2) designed to house the waste containers, a fixed part (4) to which the waste compactor (2) is attached, and an outer casing (5); wherein the fixed part (4) and the outer casing (5) can also form a single unit.

15 6- A trolley (1) as claimed in claim 5 comprising electronic means for controlling the operating phases of the waste compactor (2) and of the moving parts (3).

7- A trolley as claimed in claim 6 wherein the moving part (2) comprises two doors (10, 10').

8- A trolley as claimed in claim 7 comprising means for facilitating the movement 20 and removal of the waste containers (6,6') deformed by the compaction.

9- A trolley as claimed in claim 8 wherein said means for facilitating the movement and removal of the deformed waste containers (6, 6') comprise a side wall (13) of the moving part that rotates around a horizontal hinge.

10- A trolley as claimed in claim 4 comprising a chamber for housing two waste 25 containers (6, 6').

11- A trolley (1) as claimed in claim 10 wherein the moving part (2) comprises a central openable partition (11).

12- A trolley as claimed in claim 4 comprising a chamber for housing a single waste container (6,6') and a single door.